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3. (AS ONCE AMENDED HEREIN) The data conversion method according to claim 1, wherein the weight of each Fourier component, of a frequency above a flicker frequency, is set to "0".

4. (AS ONCE AMENDED HEREIN) The data conversion method according to claim 1, wherein a period of each display frame is different from a period of each original frame, comprising;

a current frame and a previous frame and a target gradation waveform defined by original frame data corresponding to the gradation waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.

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10. (AS ONCE AMENDED HEREIN) The data conversion method according to claim 8, wherein the weight of each Fourier component, of a frequency above a flicker frequency, is set to "0".

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15. (AS ONCE AMENDED HEREIN) A display device expressing gradation of original frame data by controlling a light emission timing of a display element in accordance with display frame data, the device comprising:

an original frame memory memorizing original frame data of at least one frame;

a display frame memory memorizing display frame data of at least one frame;

a data converting circuit outputting data corresponding to an input data value as display frame data of an n-th frame, responding to an input of original frame data of the n-th frame, original frame data of at least an (n-1)th frame from the original frame memory and display frame data of at least an (n-1)th frame from the display frame memory, wherein the display frame data outputted by the data converting are prepared by: memorizing original frame data of at least one frame;

a display frame memory memorizing display frame data of at least one frame;

a data converting circuit outputting data corresponding to an input data value as display

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frame data of the n-th frame, responding to an input of original frame data of the n-th frame, original frame data of at least an (n-1)th frame from the original frame memory and display frame data of at least an (n-1)th frame from the display frame memory, wherein the display frame data outputted by the data converting circuit are prepared by: [the data conversion method of claim 8]

performing a Fourier expansion of an error between a gradation waveform indicating a gradation transition defined by display frame data of plural frames containing a current frame and a previous frame and a target gradation waveform defined by original frame data corresponding to the gradation waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.

16. (AS ONCE AMENDED HEREIN) A display device expressing gradation of original frame data by controlling a light emission timing of a display element in accordance with display frame data, the device comprising:

an original frame memory memorizing original frame data of at least one frame;

a display frame memory memorizing display frame data of at least one frame;

a data converting circuit outputting data corresponding to an input data value as display frame data of the n-th frame, responding to an input of original frame data of the n-th frame, original frame data of at least an (n-1)th frame from the original frame memory and display frame data of at least an (n-1)th frame from the display frame memory, wherein the display frame data outputted by the data converting circuit are prepared by: [the data conversion method of claim 8]

performing a Fourier expansion of an error between a gradation waveform indicating a gradation transition defined by display frame data of plural frames containing a current frame and a previous frame and a target gradation waveform defined by original frame data corresponding to the gradation waveform; and

setting the display frame data of the current frame so that a sum of error components, with respective weights that are obtained by weighting each Fourier component, is minimized.